

REMARKS/ARGUMENTS

Claims 1, 5, 7, 8 and 12 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite for the reason that they are omnibus type claims that lack structure. These claims have been amended to recite structure and to clarify any indefiniteness. Accordingly, they should now be allowable.

Claims 2-4, 6, 9-11 are objected to for depending on the rejected claims 1 and 8. In view of the amendments herein to claims 1 and 8, dependent claims 2-4 and 9-11 should now also be allowable. It is noted that Claim 6 is an independent claim that has been allowed by the Examiner. Claim 6 is amended herein to correct minor informalities.

The Examiner has objected to the disclosure in the specification because of the use of the phrase "system identification" used throughout the specification and the claims. It is noted that the terms "system identification" and "system identification method" are well-known terms to those skilled in the art to which the present invention pertains. Specifically, those skilled in the art know that "system identification" is a method allowing one to build mathematical models of a dynamic system based on measured data. In support of this definition and statement, the Examiner's attention is directed to the list of publications and literature submitted herewith under the heading "Publications Related to System Identification". All of these publications and literature deal with the subject of "system identification" and evidence the fact that this is a term well-known to those skilled in the art. Accordingly, the use of this term in the specification and claims should be acceptable.

The outstanding Office Action does not evidence the fact that the Examiner has considered the prior art in the PTO Form 1449 submitted with the Information Disclosure Statement filed on October 15, 2003. It is requested, therefore, that the Examiner

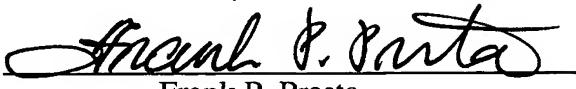
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appropriately consider and initial the prior art references in the Form PTO-1449 submitted with the Information Disclosure Statement.

In view of the above amendments and remarks, it is submitted that all of the claims 1-12 in the present application, as currently amended, are allowable to Applicants, and formal allowance thereof is earnestly solicited.

Respectfully submitted,

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Publications Related to System Identification

Books

L. Ljung, "System Identification: Theory for the User", Prentice Hall PTR, 2nd Edition, December 29, 1998

J. N. Juang, "Applied System Identification", Prentice Hall PTR, 1st Edition, November 15, 1993

I. Kollár, Gy. Román and Gy. Simon, "Rendszeridentifikáció a frekvenciatartományban" (System Identification in the Frequency Domain). Section 13.1 in Stoyan G., ed., "Bevezetés a MATLAB-ba - Numerikus módszerek, grafika, statisztika, eszköztárak (Introduction to Matlab - Numerical Methods, Graphics, Statistics, Toolboxes). pp. 124-142. Typotex, Budapest, 1999.

Conference Papers

I. Kollár, R. Pintelon and J. Schoukens, "Frequency Domain System Identification Toolbox for Matlab". Proceedings of the 9th IFAC/IFORS Symposium on Identification and System Parameter Estimation, Budapest, July 8-12, 1991. Edited by Cs. Bányász and L. Keviczky. Pergamon Press, Oxford, England. pp. 1243-46.

I. Kollár, "System Identification in the Frequency Domain with Matlab". 5th IMEKO TC4 Symposium, Electrical Measuring Instruments for Low and Medium Frequencies. Vienna, April 8-10, 1992. Preprints, 83-86.

I. Kollár, G. Franklin and R. Pintelon, "On the Equivalence of z-Domain and s-Domain Models in System Identification". IEEE Instrumentation and Measurement Technology Conference, IMTC/96, Brussels, Belgium, June 4-6, 1996. pp. 14-19. [Electronic version](#)

G. B. Javorszky, S. Boyd, I. Kollár, L. Vandenberghe and S.-P. Wu, "Optimal Excitation Signal Design for Frequency Domain System Identification Using Semidefinite Programming". 8th IMEKO TC4 Symposium on New Measurement and Calibration Methods of Electrical Quantities and Instruments, Budapest, Sep. 16-17, 1996. pp. 192-97. [Electronic version](#)

J. Strompf, I. Kollár and Y. Rolain, "Independent Scaling of a Delay in Frequency Domain System Identification", IEEE Instrumentation and Measurement Technology Conference, IMTC/97, Ottawa, Canada, May 19-21, 1997. pp. 759-764.

J. Németh, B. Varga and I. Kollár, "Online Frequency Domain System Identification based on a Virtual Instrument," IEEE Instrumentation and Measurement Technology Conference, IMTC/99, Venice, Italy, May 24-26, 1999. [Electronic version](#)

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L. Balogh, I. Kollár, On the Setting of Initial Values for the Iterative Solution of the Frequency Domain System Identification Problem. Proc. WISP'99, IEEE International Workshop on Intelligent Signal Processing. Budapest, Hungary, Sep. 4-7, 1999. pp. 126-30.

I. Kollár, J. Schoukens, R. Pintelon, G. Simon and G. Roman, "Extension for the Frequency Domain System Identification Toolbox: Graphical User Interface, Objects, Improved Numerical Stability." Proc. of the IFAC Symposium on System Identification, SYSID 2000, 21-23 June 2000, Santa Barbara, CA, USA. CD-Rom. [Electronic version](#)